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Anti-Smac/Diablo Rabbit Monoclonal Antibody

Catalog # ABO14084

Product Information

Application	WB, IHC, IF, ICC, IP, FC
Primary Accession	Q9NR28
Host	Rabbit
Isotype	Rabbit IgG
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Format	Liquid
Description	Anti-Smac/Diablo Rabbit Monoclonal Antibody . Tested in WB, IHC, ICC/IF, IP, Flow Cytometry applications. This antibody reacts with Human, Mouse, Rat.

Additional Information

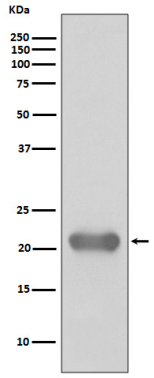
Gene ID	56616
Other Names	Diablo IAP-binding mitochondrial protein {ECO:0000312|HGNC:HGNC:21528}, Diablo homolog, mitochondrial {ECO:0000312|HGNC:HGNC:21528}, Direct IAP-binding protein with low pI {ECO:0000312|HGNC:HGNC:21528}, Second mitochondria-derived activator of caspase, Smac, Diablo IAP-binding mitochondrial protein, cleaved form, DIABLO (HGNC:21528)
Calculated MW	27131
Application Details	WB 1:1000-1:5000 IHC 1:50-1:200 ICC/IF 1:100-1:500 IP 1:50 FC 1:50
Subcellular Localization	Mitochondrion. Released into the cytosol when cells undergo apoptosis.
Tissue Specificity	Ubiquitously expressed with highest expression in testis. Expression is also high in heart, liver, kidney, spleen, prostate and ovary. Low in brain, lung, thymus and peripheral blood leukocytes. Isoform 3 is ubiquitously expressed..
Source	Eukaryota
Contents	Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.
Clone Names	Clone: FGG-4
Immunogen	A synthesized peptide derived from human Smac/Diablo
Purification	Affinity-chromatography

Storage	Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.

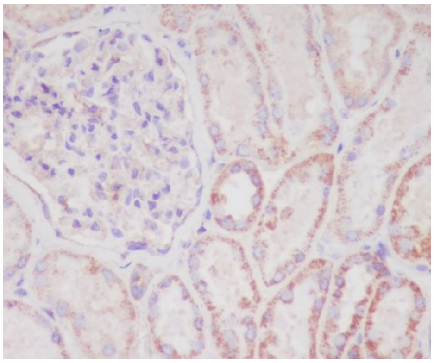
Protein Information

Name	DIABLO (HGNC:21528)
Function	Promotes apoptosis by activating caspases in the cytochrome c/Apaf-1/caspase-9 pathway. Acts by opposing the inhibitory activity of inhibitor of apoptosis proteins (IAP). Inhibits the activity of BIRC6/BRUCE by inhibiting its binding to caspases (PubMed:15200957, PubMed:36758104, PubMed:36758105, PubMed:36758106).
Cellular Location	Mitochondrion. Cytoplasm, cytosol Note=Released into the cytosol in a PARL-dependent manner when cells undergo apoptosis.
Tissue Location	Ubiquitously expressed with highest expression in testis. Expression is also high in heart, liver, kidney, spleen, prostate and ovary. Low in brain, lung, thymus and peripheral blood leukocytes. Isoform 3 is ubiquitously expressed

Images



Western blot analysis of Smac/Diablo expression in Jurkat cell lysate.



Immunohistochemical analysis of paraffin-embedded human kidney, using Smac/Diablo Antibody.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.